TENT COOPERATION TRIES

# PCT

# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference YL03013PCT	FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.			
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/KR03/01892	16 SEPTEMBER 2003 (16.09.2003)	28 OCTOBER 2002 (28.10.2002)		
Applicant				
KIM, Seung-Hyun				
This International search report has been prep to Article 18. A copy is being transmitted to the		ity and is transmitted to the applicant according		
This international search report consists of a to	otal of 4 sheets.  y of each prior art document cited in this rep	ort.		
language in which it was filed, unles	ernational search was carried out on the bas s otherwise indicated under this item.	•		
the international search was care Authority (Rule 23.1(b)).	ried out on the basis of a translation of the in	ternational application furnished to this		
		ernational application, the international search		
contained in the international a	pplication in written form.			
filed together with the internati	onal application in computer readable form.	·		
furnished subsequently to this A	Authority in written form.	- -		
furnished subsequently to this A	Authority in computer readable form.			
the statement that the subseque international application as file	nlty furnished written sequence listing does d has been furnished.	not go beyond the disclosure in the		
the statement that the informati furnished.	on recorded in computer readable form is ide	entical to the written sequence listing has been		
2. Certain claims were found uns	searchable (See Box I).			
3. Unity of invention is lacking (	See Box II).			
4. With regard to the title,				
X the text is approved as submitted	by the applicant.	. ·		
the text has been established by	this Authority to read as follows:			
		·		
5. With regard to the abstract,	<u>.</u>			
X the text is approved as submitted	by the applicant.			
the text has been established, acc	cording to Rule 38.2(b), by this Authority as	s it appears in Box III. The applicant may,		
· .	of mailing of this international search report,			
6. The figure of the drawing to be publi	shed with the abstract is Figure No.	10		
X as suggested by the applicant.		None of the figures		
because the applicant failed to so	uggest a figure.	Trong of the figures		
because this figure better charac				



International application No. PCT/KR03/01892

## CLASSIFICATION OF SUBJECT MATTER

#### IPC7 A01C 1/06

According to International Patent Classification (IPC) or to both national classification and IPC

## FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A01C 1/06, A01C 1/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Patents and applications for invention since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)

	DOCUMENTS	CONCIDEDED	$T \cap$	DE	TOTAL TOTAL A NOT
C.	DOCUMENTS	CONSIDERED	10	DL	RELEVANI

Category*	Citation of document, with indication, where appropriate, of the relevant passa	nges Relevant to claim No.
A	US 6,088,957 A (Massoud Kazemzadeh) 18 JULY 2000	1-5
	See claims 1-2, See page 2, fig.1	·
Α	KR 1999-0004227 U ( CEOE, WON YOUNG) 25 JANUARY 1999 See claims 1-5	1-5
<b>A</b> .	KR 1995-0001845 B1 (LEE, DUK HUN) 04 MARCH 1995 See page 1, line 33-37, See page 2, line 1-7.	1-5
Α	JP 13-190107 A (SUMIKA AGROTECH CO LTD) 17 JULY 2001 See abstract	1-5
A	JP 10-225207 A (TAKI SUBO CO LTD) 25 AUGUST 1998 See page 4, line 33-35	1-5
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X	Further documents are listed in the continuation of Box C.
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See patent family annex.

- Special categories of cited documents:
- document defining the general state of the art which is not considered to be of particular relevance
- earlier application or patent but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- document referring to an oral disclosure, use, exhibition or other
- document published prior to the international filing date but later than the priority date claimed
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- document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

24 DECEMBER 2003 (24.12.2003)

Date of mailing of the international search report

24 DECEMBER 2003 (24.12.2003)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

HWANG, Dong Yul

Telephone No. 82-42-481-5635







International application No.

PCT/KR03/01892

C (Continuation	on). DOCUMENTS CONSIDERED TO BE RELEVANT	<del>-</del>
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
	JP 08-070628 A (SUMITOMO CHEM CO LTD)  19 MARCH 1996  See page 3, example	, 1-5
	US 6,058,649 A (Shabtai Bittman) 9 MAY 2000 See the whole document	1-5
] :	KR 1997-0001087 B1(LEE, DUK HUN) 28 JANUARY 1997 See claims 1-7	1-5
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KR 1995-0001845 B1	04-03-1995	none	
JP 13-190107 A	17-07-2001	none	
JP 10-225207 A	25-08-1998	none	` .
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US 6,058,649 A	09-05-2000	none	
KR 1997-0001087 B1	28-01-1997	none	